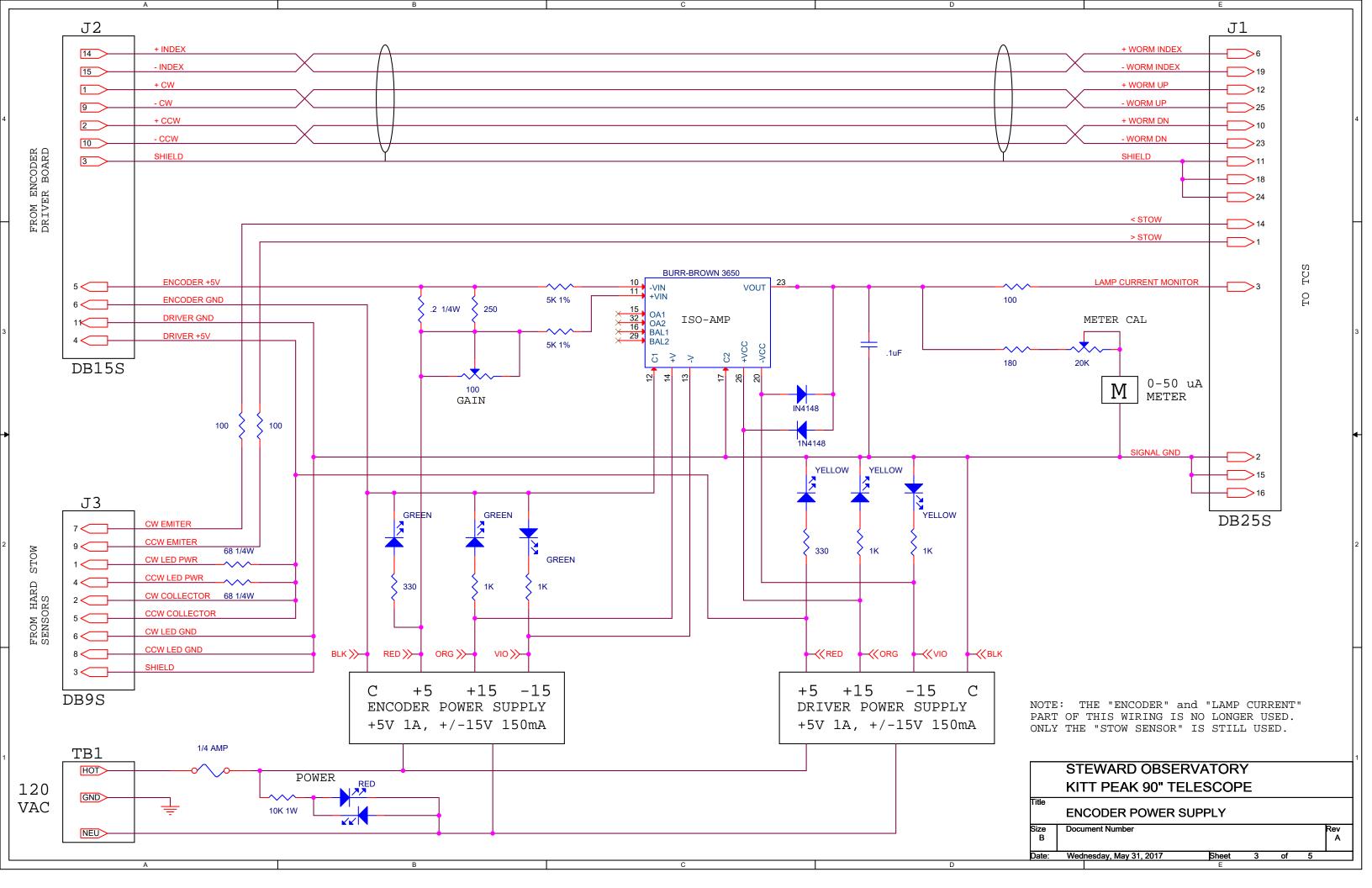
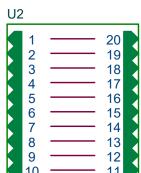
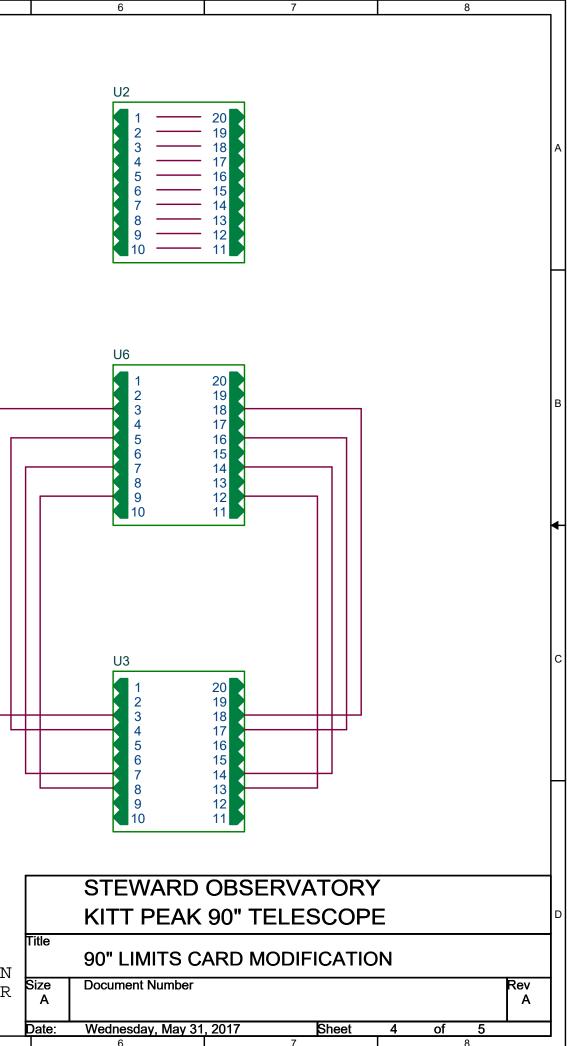


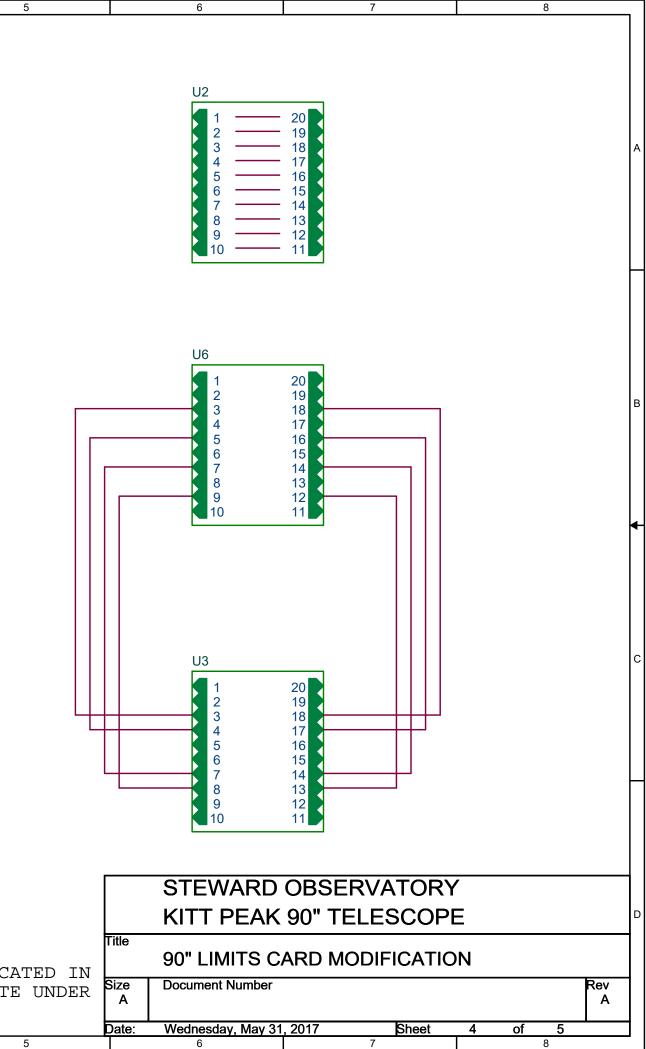
NOTE: THIS ENCODER IS NO LONGER PRESENT.

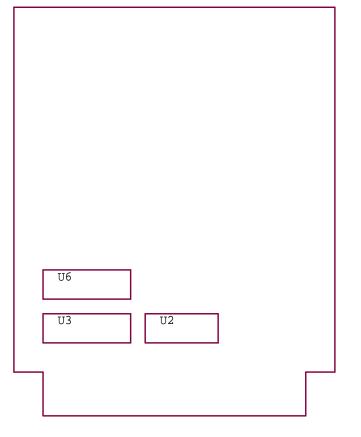
	2
ONE OF THESE LOCATED AT EACH AXIS	
AS OF 8/2010 THE BEI ENCODERS HAVE BEEN REPLACED BY MODERN QUADRATURE ENCODERS. THEY GET THEIR POWER DIRECTLY FROM THE ENCODER INTERFACE	
CARD IN THE TCS PC AND NOT FROM THIS SUPPLY.	
THE NEW ENCODERS DON'T USE LAMPS SO THE "LAMP CURRENT" SIGNALS ARE NO LONGER ACTIVE.	1
STEWARD OBSERVATORY	
KITT PEAK 90" TELESCOPE	
Title AXIS LIMITS & STOW SENSOR	
Size Document Number Rev A	
Date: Wednesday, May 31, 2017 Sheet 2 of 5	











3

3

4

LIMITS CARD MODIFICATION

REQUIRED BEFORE INSTALLING THE LIMITS CARD IN THE NEW MOUNT MICRO TRANSLATOR BOX

2

1

1). REMOVE CHIP IN U2 (74LS374) AND REPLACE WITH HEADER

2). REMOVE CHIPS IN U3 (74LS373) AND U6 (74LS688)

3). INSTALL JUMPER PLUG AS SHOWN

1

2

THE LIMITS CARD IS LOCATED IN THE OPTOISOLATION CRATE UNDER THE OPERATORS CONSOLE

4

